

UNIVERSITATEA NAȚIONALĂ DE ȘTIINȚE ȘI TEHNOLOGIE, POLITEHNICA
BUCUREȘTI,
CENTRUL UNIVERSITAR PITEȘTI
Facultatea de Științe, Educație Fizică și Informatică
Departamentul Ingineria Mediului și Științe Ingineresti Aplicate

LISTA DE LUCRĂRI a cadrului didactic MITU LIVIU

B. Cărți și capitole în cărți publicate în perioada 2016 - 2025

B2. Cărți și capitole în cărți de specialitate naționale ca autor (cu ISBN intern)

C. Lucrări (articole) ISI / BDI publicate în perioada 2016 - 2025

C1. Articole în reviste cotate ISI Thomson Reuters

8. K. Karuppasamy, H.W. Rhee, P.A. Reddy, D. Gupta, L. Mitu, A.R. Polu, X.S. Shajan, „*Ionic liquid incorporated nanocomposite polymer electrolytes for rechargeable lithium ion*,, Journal of Industrial and Engineering Chemistry, Vol.40-august 2016, pag.168-176, 2016, Factor de Impact / 2015 = 4.179 . , 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
9. R. Rehman, B. Salariya, L. Mitu, „*Batch Scale Adsorptive Removal of Brilliant Green Dye Using Trapa Natans Peels in Cost*,, Revista de Chimie 67(7), pag. 1333-1337, 2016, Factor de Impact / 2015 = 0.956 . , 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
10. I. Niamat, A.R. Tariq, M. Imran, F. Kanwal, L. Mitu, „*Stabilization of Sunflower Oil with extracts from Fenugreek, Mint and Liquorice*,, Bulgarian Chemical Communications Vol. 48(4) pag. 753-757, 2016, Factor de Impact /2015 = 0.229 . , 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
11. M.W. Mushtaq, M. Imran, S. Bashir, F. Kanwal, L. Mitu, „*Synthesis, Structural and Biological Studies of Cobalt Ferrite Nanoparticles*,, Bulgarian Chemical Communications 48(3), pag. 565-570, 2016, Factor de Impact /2015 = 0.229 . , 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
12. B. Annaraj, L. Mitu, M.A. Neelakantan, *Synthesis and crystal structure of imidazole containing amide as a turn on fluorescent*, Journal of Molecular Structure Vol.1104, (15 January 2016), pag.1-6, 2016, Factor de Impact /2015 = 1.78 . , 2016, (TC_11_2016_DSN, TC_11_2016_DSN)
13. K. Karuppasamy, K. Prasanna, Dhanasekaran Vikraman, Hyun-Seok Kim, A. Kathalingam, Liviu Mitu, Hee Woo Rhee, *A Rapid One-Pot Synthesis of Novel High-Purity Methacrylic Phosphonic Acid (PA)-Based Polyhedral Oligomeric Silsesquioxane (POSS) Frameworks via Thiol-Ene Click Reaction*, Polymers, vol.9(6), Article number 192, doi: 10.3390/polym9060192, 2017, FI - 2016 = 3.364 . , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
14. R. Rehman, T. Mahmud, R. Ejaz, A. Rauf, L. Mitu, *Sorptive removal of Direct Blue-15 dye from water using Camellia sinensis and Carica papaya leaves*, Bulgarian Chemical Communications, Volume 49, Number 1, (pp. 20 – 25) 2017, IF-2016 =0.238 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
15. Shahul Hameed Sukkur Saleem, Murugesan Sankarganesh, Paul Raj Adwin Jose, Karunganathan Sakthikumar, LiviuMitu,Jeyaraj Dhavethu Raja, *Investigation of Antimicrobial, Antioxidant, and DNA Binding Studies of Bioactive Cu(II), Zn(II), Co(II), and Ni(II) Complexes of Pyrimidine Derivative Schiff Base Ligand*, Journal of Chemistry, Volume 2017, Article ID 3831507, 8 pages, 2017, <https://doi.org/10.1155/2017/383150> IF - 2016 = 0.238 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
16. S. Shobana, P. Subramaniam, J. Dharmaraja, S. Arvind Narayan, L. Mitu, *Stability studies on solution equilibria of Zn(II) pyrimidine nucleus bases*, Bulgarian Chemical Communications, Volume 49, Number 2 (pp. 347– 353) 2017, IF - 2016 =0.238 , 2017, (TC_10_2017_DSN, TC_10_2017_DSN)
17. Misbah Tabassam, Amna Farooq, Muhammad Imran, Syeda Robina Gillani, Saima Saqib, Zaid Mehmood, Liviu Mitu, *REACTIVITY OF (η³-ALLYL)DICARBONYLNITROSYL IRON COMPLEXES WITH*

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67. Amara Dar, Rabia Rehman*, Nimrah Jamil, Ghufrana Samin, Muhammad Muzammil Jahangir, Zahrah T. Al-thagaf, Reem Alsantali, Maha E. Al-Hazemi, Liviu Mitu*, *Study of Antimicrobial Potency of Synthesized Cellulose-Based Nanocomposite Films Incorporating Bi-Fe-Sn Trimetallic Microcrystalline Using Terminalia arjuna Leaf Extract for Packaging and Medicinal Applications*, Study of Antimicrobial Potency of Synthesized Cellulose-Based Nanocomposite Films Incorporating Bi-Fe-Sn Trimetallic Microcrystalline Using Terminalia arjuna Leaf Extract for Packaging and Medicinal Applications Amara Dar, Rabia Rehman*, Nimrah Jamil, Ghufrana Samin, Muhammad Muzammil Jahangir, Zahrah T. Al-thagaf, Reem Alsantali, Maha E. Al-Hazemi, Liviu Mitu* Journal of Chemistry, vol. 2023, Article ID 6122583, 10 pages, 2023, June 2023, Factor de Impact/2023 = ??? /WOS: 001015970600002/ , 2023, (TC_9_2023_DIMSIA)

111. *Basic Red 46 adsorption studies onto pyrolyzed by-product biomass*

A.Y. Sahnoun, A. Selatnia, L. Mitu, R. Ayeche, N. Daoud1, Y. Dahoun-Tchoulak

Applied Water Science, vol. 14(6) (June), 2024, Article: 111, 2024.

Q1 - (WATER RESOURCES - SCIE), AIS (Article Influence Score),

JCR 2024, din 24 iunie 2025; Accepted for publication in 04.03.2024; on-line 05.05.2024.

FI-2024 = 5.7; /WOS: 001214238400003/

112. *Recent advances in catalytic reduction of CO₂ through Bismuth based MOFs*

Rabia Zafar, Ayesha Javaid, Muhammad Imran*, Shoomaila Latif, Muhammad Naeem Khan, **Liviu Mitu***, Romică Crețu

Journal of Saudi Chemical Society, vol. 28(6) 2024, FI-2024 = 5.8;

Q2 - AIS - in 2024/ aparut in 2025;

Q2 - AIS (CHEMISTRY, MULTIDISCIPLINARY - SCIE), iunie 2025;

/WOS: 001313604700001/ (Review Article);

113. *Phytofiltration of Rhodamine-B dye using microwave assisted- tartaric acid treated Trapa natans peels from waste water by biosorption*

Bajwa, Asfa; Rehman, Rabia; Ayub, Sibgha; Malik, Muhammad Raza; Ansar, Sabah; **Mitu, Liviu**; Alakhras, Fadi

Clean Technologies and Environmental Policy

vol. () 5 Oct. 2024, 2024; FI-2024 = 3.9;

Q3 – AIS (ENGINEERING, ENVIRONMENTAL - SCIE), iunie 2025;

Q2 – AIS (ENVIRONMENTAL SCIENCES), iunie 2025; (noAPC-checked).

/WOS: 001322080700001/ DOI:10.1007/s10098-024-02996-8

114. *Fabrication of Fuel cell involving bismuth-based components for efficient and cost-effective strategies*

Q. Mushtaq, Z. Saddique, A. Javaid, S. Latif, M. Imran*, **L. Mitu***

Comments on Inorganic Chemistry, Published online: 06 Nov. 2024;

vol. () 2024, 2024;

Factor de Impact/2024 = ; AIS - Q? in 202?/aparut in 202?;

Q2 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), Impact Factor/

Q2 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), AIS (Article Influence Score),

JCR 2024 din 18 iunie 2025;

<https://doi.org/10.1080/02603594.2024.2417272>

/WOS: 001349347500001/ (Review Article);

115. *Isothermal and Kinetic investigation of sorption efficacy of Titania and Bentonite nanocomposite for Brilliant Green Dye removal for wastewater treatment*
 Rabia Rehman, Qurrat-Ul-Aein-Khan, Farhat Yasmeen, Amara Dar, Mehwish Akram, Zahrah T. Al-thagafi, **Liviu Mitu**
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 vol. () 2024, 2024; FI-2024 = ;
 Q4 - (CHEMISTRY, PHYSICAL - SCIE), AIS (Article Influence Score),
 JCR 2023 din 28 iunie 2024; on-line 01.04.2024 /
 /WOS: 001195113500001/
116. *Process modeling of Direct Red-28 dye Eradication by biopolymeric composite of Polyaniline with Mango leafy biowaste material*
 Rabia Rehman*, Farhat Yasmeen, Fadama M. Abdoon, Amara Dar, Mehwish Akram, Fadi Alakhras, **Liviu Mitu**, Zahrah T. Al-thagafi
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 vol. () 2024, 2024; FI-2024 = ;
 Q4 - (CHEMISTRY, PHYSICAL - SCIE), AIS (Article Influence Score),
 JCR 2023 din 28 iunie 2024; on-line 08.07.2024/
 /WOS: 001265474500001/
117. *Exploring chemically processed Symplocos racemosa sustainable material feasibility for sorptive amputation of Methylene Blue Dye from waste-water by green technology*
 Muhammad Rashid, Rabia Rehman, Mehwish Akram, Ayman A. Ghfar, **Liviu Mitu**
Biomass Conversion and Biorefinery
 vol. 15(9) 13609-13626, 2025, 2025; IF-2025 = ; Accepted for publication in 30.09.2024;
 Q3 – AIS (ENERGY & FUELS); Q2 – AIS (ENGINEERING, CHEMICAL), iunie 2025;
 (noAPC-checked).
 /WOS: 001402459400002/ <https://doi.org/10.1007/s13399-024-06219-4>
118. *Pharmaceutical manifestation of Knoevenagel condensed metal(II) complexes through virtual, in vitro and in vivo assessments*
 Samuel Michael, Porkodi Jeyaraman, Bhuvaneswari Marimuthu, Rajasekar Rajamanikam, Radha Thanasamy, Karuppiiah Arunsunai Kumar, **Liviu Mitu**, Natarajan Raman
Journal of Biomolecular Structure and Dynamics, (no APC);
 vol. 43(8) 4028 – 4042, 2025, 2025; Factor de Impact / 2025 = ;
 Q2 - (BIOPHYSICS - SCIE), Impact Factor / Q3 - (BIOPHYSICS - SCIE),
 AIS (Article Influence Score), JCR 2023 din iunie 2024; (AIS-2025 = Q?);
 /WOS: 001138775700001/ <https://doi.org/10.1080/07391102.2023.2301059>;
119. *Oxicams as bioactive ligand system in coordination complexes and their biological applications*
 Muhammad Naeem, Adnan Ashraf*, Muhammad Imran*, Waseeq Ahmad Siddiqui, Gulzar Muhammad, Aimon Saleem, Umer Younas, Faisal Ali, Muhammad Asam Raza, **Liviu Mitu***
Comments on Inorganic Chemistry, Published online: 15 Feb. 2024;
 vol. 45(2) 63-87, 2025, 2025;
 Factor de Impact/2025 = ; AIS (2025) - Q ? / aparut in 2026.
 Q2 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), Impact Factor/
 Q2 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), AIS (Article Influence Score),
 JCR 2024 din 18 iunie 2025;
 /WOS: 001162950100001/ (Review Article);

120. *Direct and mediator-based Z-scheme heterojunctions involving Bi₂MoO₆ for abatement of dyes and pharmaceuticals*

Muhammad Asim Raza, Muhammad Imran^{*}, Ayesha Javaid, Shoomaila Latif, **Liviu Mitu^{*}**

Comments on Inorganic Chemistry, Published online: 30 May 2024;

vol. 45(3) 210-244, 2025, 2025;

Factor de Impact/2025 = ; AIS (2025) - Q ? / aparut in 2026.

Q2 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), Impact Factor/

Q2 - (CHEMISTRY, INORGANIC & NUCLEAR - SCIE), AIS (Article Influence Score),

JCR 2024 din 18 iunie 2025;

/WOS: 001236031500001/ (Review Article);

Data: 08.07.2025

**Cadrul didactic
MITU LIVIU**

Semnătura